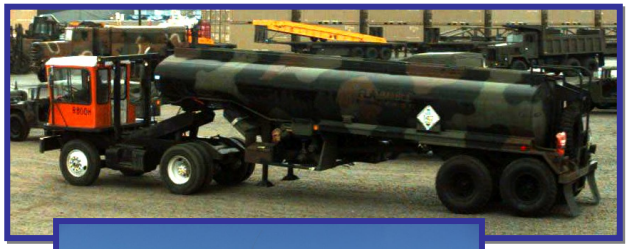
Battle Command Sustainment Support System

BCS3

In-Transit

Combat Power



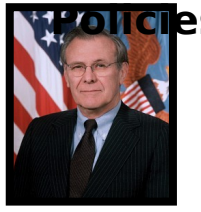
Logistical COA Analysis

Log related CCIR Alerts

Actionable Logistics Information to Support the Warfighter

Transformation Guidance

Defense Acquisition System Policies



Secretary of Defense
Donald H. Rumsfeld

- Published new 5000 (Acquisition Reform) series
- Use spiral development
- Increase COTS
- Achieve universal information technology

Army Chief of Staff *Battle Command Focus*

GEN Peter Schoomaker
Chief of Staff, US Army

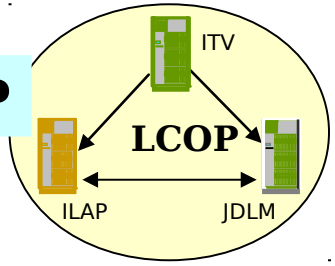
- Get to "Good Enough" Battle Command
- Move from Current to Future in 18 Months
- Increase use of COTS
- Use the redefined DoD acquisitions policies

Army Logistics (G-4) Focus

LTG Claude Christianson
DCS Army Logistics (G-4)

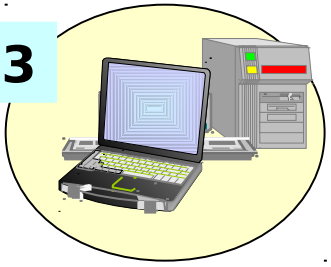
- "Connect" our logisticians
- Modernize theater distribution
- Improve force reception
- Integrate the supply chain

LCOP



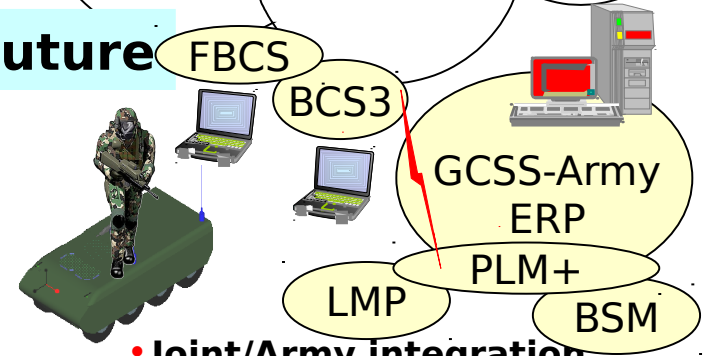
- Entrepreneurial
- Spiral development
- Rapid deployment
- Future-oriented capabilities
- Limited resource allocation
- Accelerated acquisition

BCS3



- LCOP
- Tailorable Status Reports
- JTL Decision Spt Tools
- Build & Sustain Combat Power

Future



- Joint/Army integration
- Distribution based logistics
- Joint warfighter
- Industry best practices

BCS3 Way Ahead Guidance

CSA: Battle Command Top Down Focus "TOP 7" + 1

- ☑ 1. Friendly Locations
- ☑ 2. Current Enemy Situation (ISR and Intel/FS/ AD Sensors)
- ☑ 3. Running Estimate (Current Combat Power/Future Combat Power/CCIR/BOS Staff Estimates)
- 4. Graphic Control Measures
- ☑ 5. FRAGOs
- 6. Commander's SITREP
- 7. Joint/Coalition Interoperability
- ☑ 8. FS Coordination Measures/Capabilities Overlay

Running Estimate

Estimate of the unit's capability to complete the mission IAW METT-TC (a predictive capability tied to CCIR and the DSM that compares results of war gaming with execution, allowing rapid comparison to the plan). Access to COA evaluation, war gaming and rehearsal tools. Information on current Force Protection measures and status

BCS3 Will Meet The CSA Requirement #3: Running Estimate

The Technology Exists Today to Satisfy the CSA's Battle Command Priority for Running Estimate!

- **Current/Future Combat Power**
- **Commander's Critical Information Requirements (CCIR)**
- **COA Analysis**
- **In-Transit Visibility (ITV)/Distribution Management/Asset Visibility**
- **Leverage Lessons Learned from LCOP use in Operation Iraqi Freedom**
- **Leverage Commercially Available Hardware and Software**
- **Leverage Existing Functionality Developed by PdM BCS3**

Theater

BCS3 provides actionable logistics information to commanders at all echelons Brigade and above

CFLCC Command Center

Tactica
l

Course of Action

BCS3 has a simulation tool that allows the user to project supply consumption for a given COA by event or across time. This feature assists in training, planning, and execution.

“Can I logistically support this course of action?”

In-Transit Visibility

BCS3 provides a map-centric view of inbound vehicles/cargo that are equipped with movement tracking devices.

“Where are my parts?”

Combat Power

BCS3 gives the commander the latest available status of critical weapon systems, fuel, ammunition, and personnel.

“What can I put into the fight and when?”

BCS3 - Why Do We Need It

BCS3 Adds Value for the Warfighter

Experience in Operation Iraqi Freedom mandated significant re-engineering of logistics C2 capability

- **Combat Power**
- **COP Support**
- **Theater to BDE integrated logistics functionality**
  - **Supports the Maneuver Commander**
  - **Supports the logistics capabilities at multiple echelon levels**
- **Data fusion of sustainment, in-transit, and force logistics data.**
- **Leverages ITV, RFID technologies**
- **Reduction of hardware profile to fielded users**
- **School house training**

The Current Situation

- **Preparation and execution of Operation Iraqi Freedom (OIF) resulted in a requirement to restructure the operational requirements and technical baseline supporting the Army's logistics C2 capabilities.**

- **Today the Warfighter has no automated tool to merge unit status with available sustainment stocks to provide "Actionable Information" supporting current and future Combat power assessments**
  - CSSCS is not designed for this mission
  - GCSS-A ERP (Integrated data environment) fielding starts 4th QTR FY06
  - LDSS (FCS) First Unit Equip is FY08

What Is BCS3?

- **Logistics command and control (C2) systems must support current warfighting requirements and provide a bridge to the Army's Future Force capabilities.**
- **BCS3 is a COTS software technology insertion that provides actionable logistics information to commanders, and for the first time, a visual logistics picture of the battlefield.**
- **It's the Army's maneuver sustainment C2 system– the fusion center- at all echelons.**
- **BCS3 has immediate high pay-off benefits to Warfighters.**

BCS3 Functionality

GOAL: Leverage Operation Iraqi Freedom's (OIF) Logistics Common Operating Picture (LCOP) and integrate that technology with current Combat Service Support (CSS) Command and Control (C2) automation.

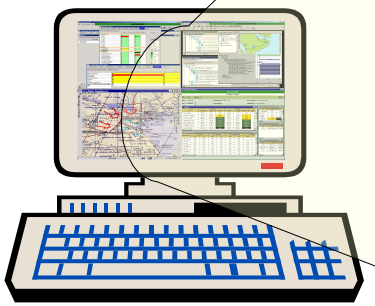
UTO (RF-BF)

Map Overlays BF-RF & Spt

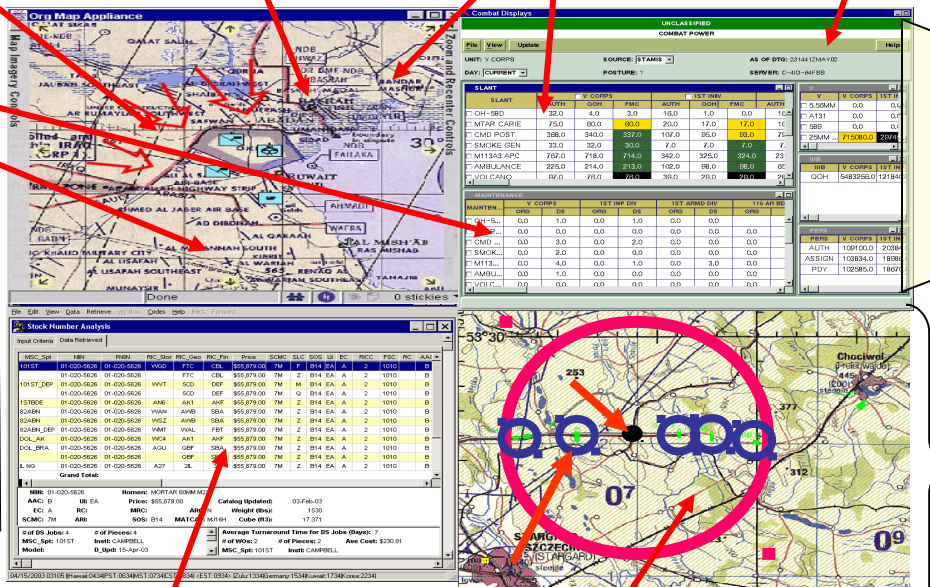
Collaborative Planning White Board

Running Estimates (Current & Future)

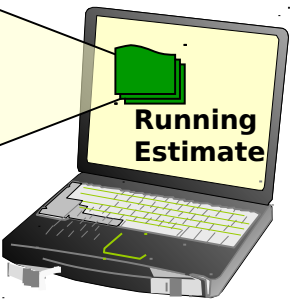
Time-Phased View (Common Mapping Tool)



BCS3



Situational Awareness



MCS

Operations/ Planning

Briefing Products

Decision Support Tools

In Transit Visibility

ABCS Interface

What's New In BCS3?

- **For the first time, Warfighters will *plan, rehearse, train, and execute* all on one systems.**
- **BCS3's system software can operate on unclassified or classified networks.**
- **Map-centric display on a commercial laptop provides users a versatile, visual logistics picture of the battlefield.**

How Will BCS3 Make A Difference To The Warfighter?

BCS3 will answer. . .

- **What can I bring to the fight?**
  – Combat Power

- **Where are my parts?**
  – In-Transit Visibility

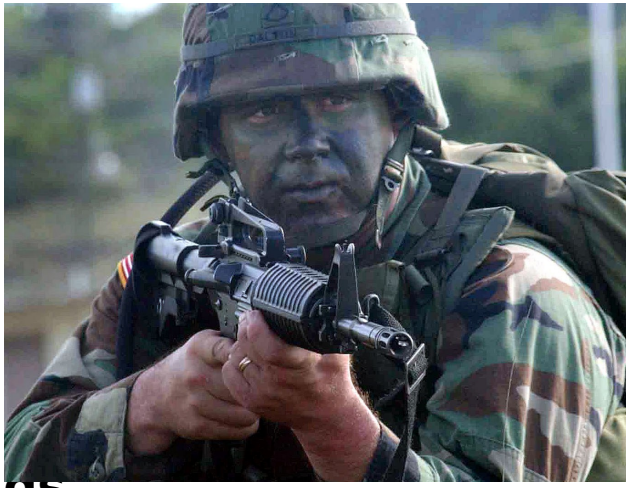
- **Can I logistically support the mission?**
  – Logistical Course of Action (COA) Analysis

- **What's the status of critical resources as specified in the Commander's Critical Information Requirements (CCIR)?**
  – Log related CCIR Alerts

Combat Power

What can I bring to the fight?

- **Combat Power gives the latest status of critical weapon systems, fuel, ammunition and personnel.**
  - **CL III(B), V, VII, Personnel**
  - **Source Views**
    - **FBCB2/STAMIS**
    - **Commander's SITREP**
  - **Export/Import to Excel**
  - **Pick from Map or from unit list**
  - **User defined items and thresholds**
  - **Projections out 24,48,72 hours for current UTO**



In-Transit Visibility

Where are my parts?

- **Provides data feeds and provides a map-centric view of inbound vehicles and or cargo that are equipped with movement tracking devices.**
  - **Commodities Tracking**
  - **March Credits**
  - **Convoy Tracking**
  - **Deployment/Redeployment Track**

Logistical Course of Action (COA) Analysis

Can I logistically support the mission?

- **Operates a simulation tool that allows the user to project supply consumption and assists in training, planning, and execution.**

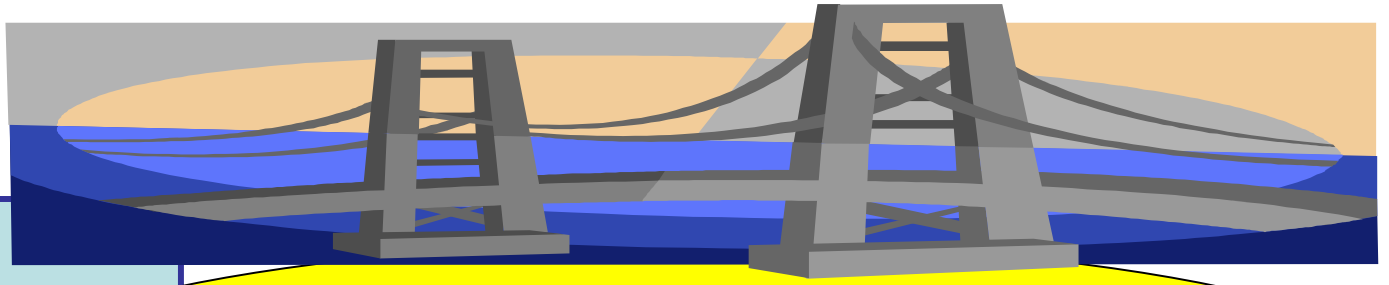
  - **Map RECON**
  - **Logistics prep of battlefield**
  - **Route RECON**
  - **Show status based on commodity**
  - **Access scheme of maneuver graphics from**
  - **Access COAs and COA UTOs from MCS**
  - **Graphical representation of Log Units in support of COA**
  - **Able to run simulations and generate reports**
  - **Consumption Factors based on OPLOG WIN planning factors**

Logistics-Related CCIR Alerts

What's the status of critical resources as specified in the Commander's Critical Information Requirements (CCIR)?

- **Displays audio and visual cues that a log-related CCIR event has occurred.**
  - **Log Related CCIR from MCS – through order**
  - **User can set up an exception report for log-related CCIR**
  - **CCIR alert is a visual and audio cue in BCS3**
  - **Other potential uses besides log related CCIR**

BCS3 Provides The Bridge To FCS



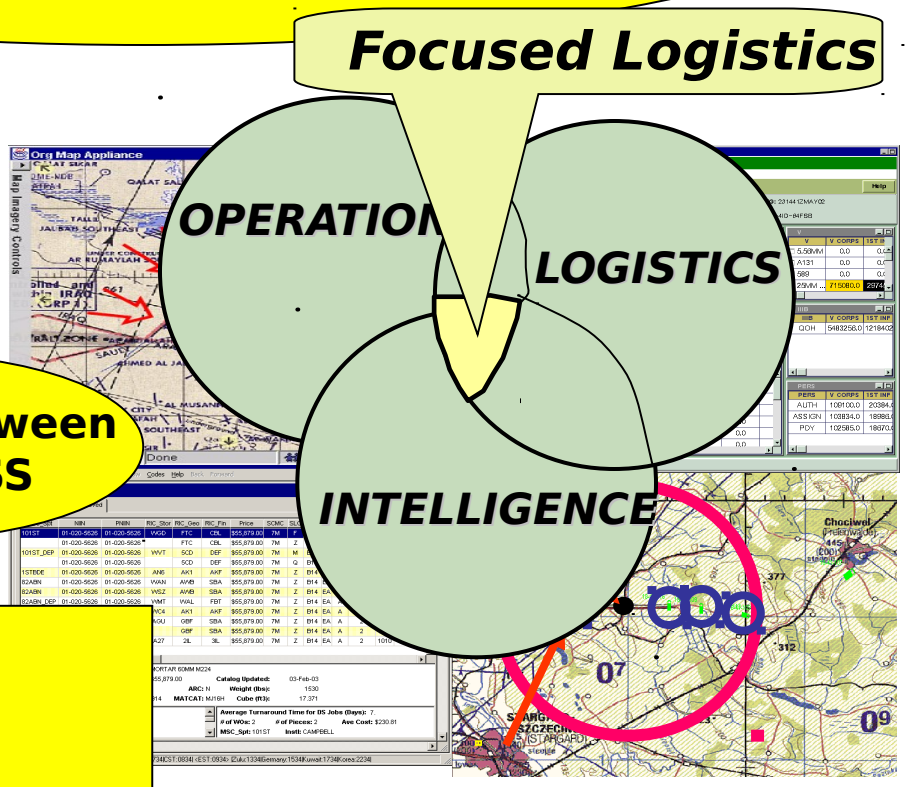
G-4 FOCUS

BCS3 will access over 30 national level classified & uncl data sources to provide one fused picture of CSS data th provides "Actionable Information" to the commander

- **"CONNECT" OUR LOGISTICIANS**
  - ✓ Agile, Assured, 24 / 7 Data Capability into the Enterprise
  - ✓ Plug / Un-plug as Required
  - ✓ Enable "Sense and Respond" Logistics
  - ✓ Include Log, Per, Med & Eng (Operational Sustainment)
- **MODERNIZE THEATER DISTRIBUTION**
  - ✓ Single Proponent
  - ✓ Enable Control With 100% Visibility
  - ✓ Single Doctrine, Force Structure & Training
- **IMPROVE FORCE RECEPTION**
  - ✓ APOD / SPOD; Distribution; Life Support
  - ✓ Strategic Connectivity - Theater Log C2 Node
  - ✓ Embedded Sustainment Capability
  - ✓ Life Support – Division in 5 Days
- **INTEGRATE THE SUPPLY CHAIN**

Close link between C2 and CSS

Near real-time command and control of the logistics pipeline



BCS3 Will . . .

- **Support the Warfighter with actionable logistics information**
- **Give the user the ability to plan, train, rehearse, and execute on one system**
- **Give the logistician a command and control tool on the unclassified and classified side**
- **Provide five main functions for the running estimate**
  - **Combat Power**
  - **Future Combat Power**
  - **In-Transit Visibility**
  - **Logistics COA Analysis**
  - **Log-related CCIR Alerts**

How can I get more information about BCS3?

COM: (703) 704-2800
DSN: 654-2800
Fax: DSN 654-2934

home page: https://atccs-xnet.army.mil/bcs3/